

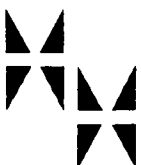


**Final Report** <sup>E1</sup>  
**Mercury Regulator Removal Action** <sub>3/01</sub>  
**DeKalb Iron & Metal Co.**  
**900 Oak Street**  
**DeKalb, Illinois**

**Prepared for:**  
**Nicor Gas**

**March 2001**

**By:**  
**James E. Huff, P.E.**  
**Sarah Monette, P.E.**  
**Lisa M. Paulson**



***HUFF & HUFF, INC.***  
**ENVIRONMENTAL CONSULTANTS**  
**LaGRANGE, ILLINOIS**

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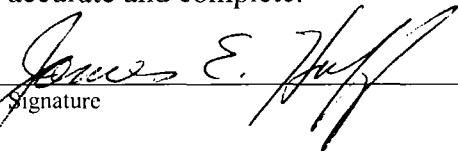
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## CERTIFICATION

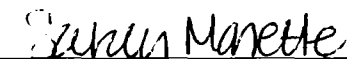
Under penalty of law, I certify that, to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, the information submitted is true, accurate and complete.

  
\_\_\_\_\_  
Signature

3/24/2001  
\_\_\_\_\_  
Date

James E. Huff, P.E.  
\_\_\_\_\_  
Name

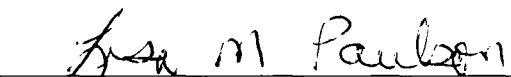
Vice President, Huff & Huff, Inc.  
\_\_\_\_\_  
Title, Company

  
\_\_\_\_\_  
Signature

03-23-01  
\_\_\_\_\_  
Date

Sarah Monette, P.E.  
\_\_\_\_\_  
Name

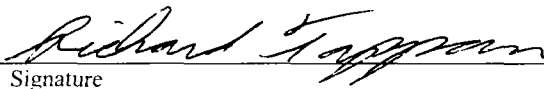
Sr. Project Engineer, Huff & Huff, Inc.  
\_\_\_\_\_  
Title, Company

  
\_\_\_\_\_  
Signature

3-23-01  
\_\_\_\_\_  
Date

Lisa M. Paulson  
\_\_\_\_\_  
Name

Environmental Scientist, Huff & Huff, Inc.  
\_\_\_\_\_  
Title, Company

  
\_\_\_\_\_  
Signature

3/23/01  
\_\_\_\_\_  
Date

Richard Tappan  
\_\_\_\_\_  
Name

Mgr. Environmental Affairs, Nicor Gas  
\_\_\_\_\_  
Title, Company

## 1. INTRODUCTION

### 1.1 Report Overview

This document presents the “Final Report” for the Nicor Gas cleanup activities at the DeKalb Iron & Metal Co. scrap yard (hereafter called “Scrap Yard”). The cleanup activities included removal of mercury-type regulators and soil testing.

The work was performed in accordance with the requirements of the “Administrative Order Pursuant to Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act, Docket No. VW-00-C-610,” issued by the United States Environmental Protection Agency (U.S. EPA) in September 2000, and the U.S. EPA-approved “Remedial Action Work Plan,” dated October 2000.

### 1.2 Site Location and Layout

The Scrap Yard is located at 900 Oak Street in DeKalb, Illinois. Figure 1-1 depicts the site location and Figure 1-2 depicts the site layout, including the locations where Nicor Gas scrap metal had been accumulated. Note that the site is separated into an “East Yard” and a “West Yard.”

Based on conversations with DeKalb Iron & Metal representatives, the facility historically segregated regulators from the main pile in the West Yard during initial scrap unloading. These regulators, both spring-loaded and mercury-type, were removed and transferred to bins in the East Yard. The mercury-type regulators were removed by Illinois EPA on September 7, 2000, according to the DeKalb Iron & Metal representatives.

According to Scrap Yard representatives, given the processing activities completed at the Scrap Yard, only the most recent two shipments of scrap metal from Nicor Gas’s DeKalb Reporting Center (December 1999 and June 2000) likely were still present in the West Yard (minus any regulators segregated when initially received). These shipments were unloaded onto the south/southeast portion of the main pile.

The scrap pile areas depicted on Figure 1-2 were identified as the area where Nicor Gas scrap metal had been stored. These areas were identified by Illinois EPA and U.S. EPA as the only areas requiring a response under the 106(a) Order.

### 1.3 Personnel

Key personnel associated with this project are:

Mr. Steven Faryan	On-Scene Coordinator	U.S. EPA
Ms. Claudia Macholz	Project Manager	Nicor Gas
Mr. James E. Huff, P.E.	Project Coordinator	Huff & Huff
Mr. Perre Krizanek	Contractor	Heritage Environmental Services
Mr. Jeff Gorman	Scrap Yard President	DeKalb Iron & Metal



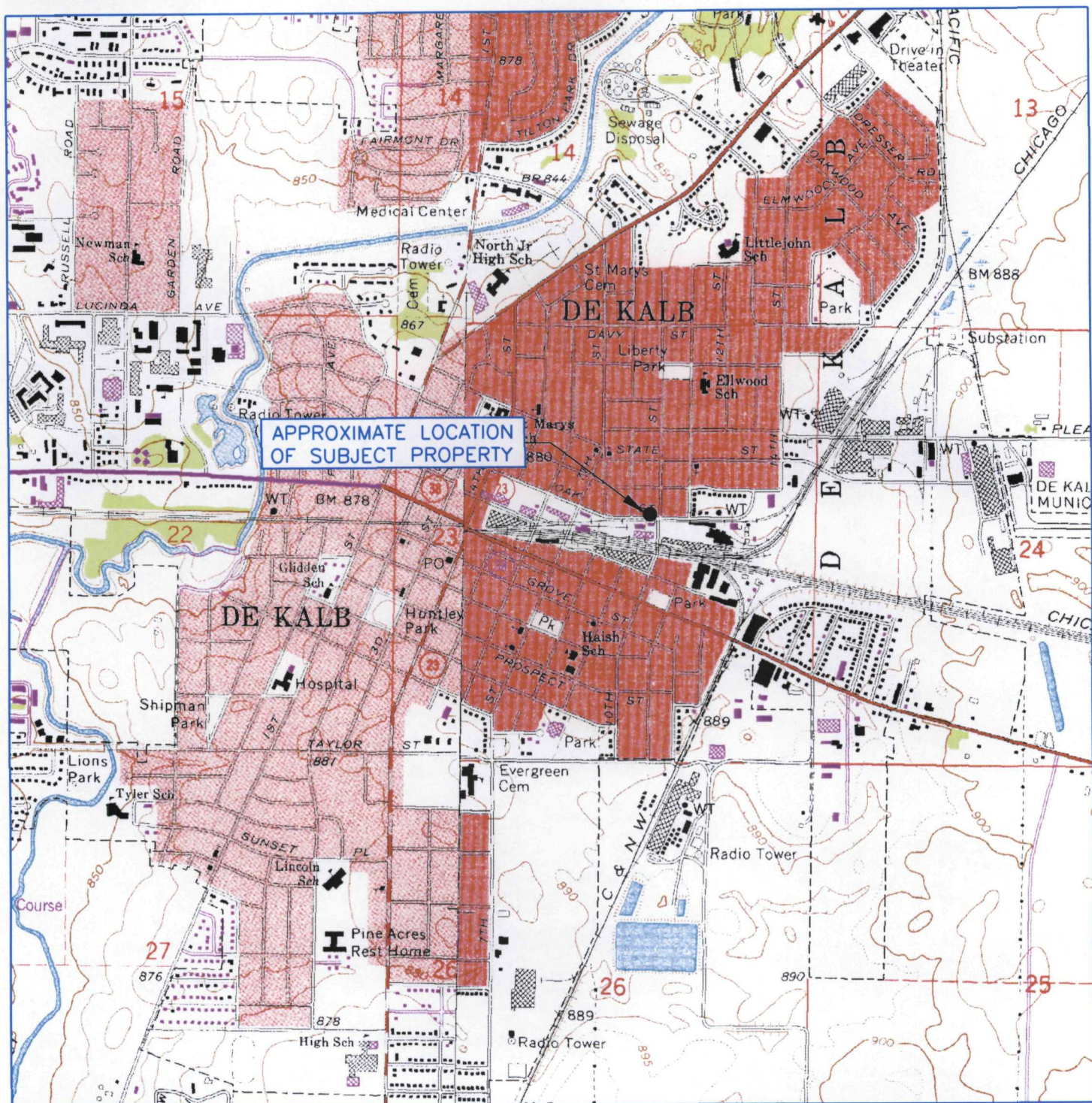
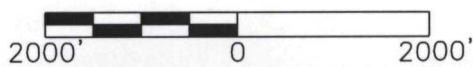
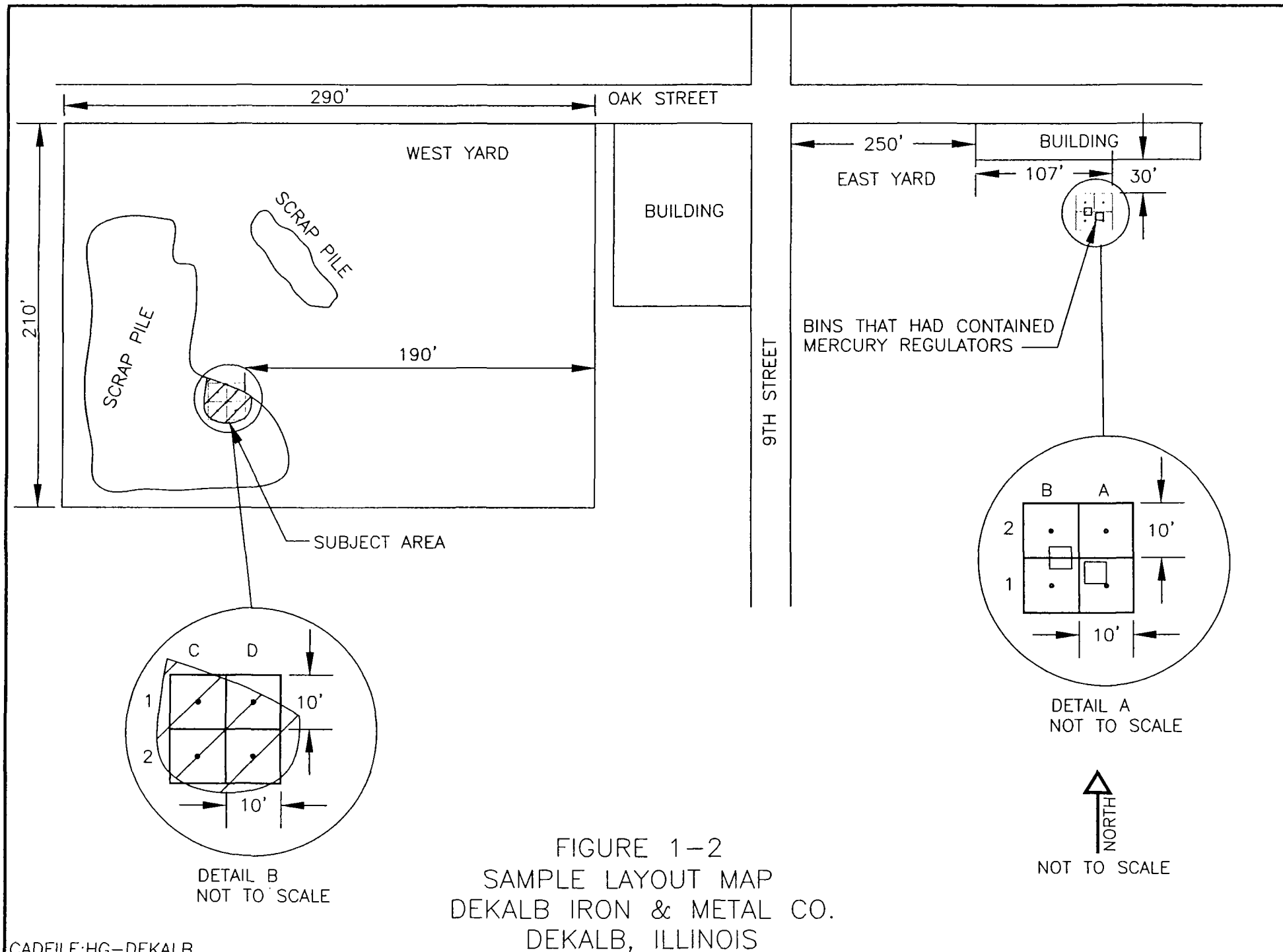


FIGURE 1-1  
SITE LOCATION MAP  
DEKALB IRON & METAL COMPANY  
DEKALB, ILLINOIS



SOURCE: UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY  
DEKALB & SYCAMORE, ILLINOIS QUADRANGLES



#### 1.4 Schedule

The Section 106(a) Order was issued in September 2000. Work was performed at the Scrap Yard on October 18, 2000; work was completed in one day. This time frame is in accordance with the U.S. EPA-approved schedule. (Work activities are detailed in Section 2.)



## **2. WORK ACTIVITIES**

### **2.1 Overview**

Work activities were performed in general compliance with the U.S. EPA approved site work plan ("Removal Action Work Plan, October 2000"). Field changes to the approved site work plan were made as directed by the U.S. EPA On-Scene Coordinator.

Work activities included:

- scrap metal sorting (to segregate mercury-type regulators), including random inspection of large scrap pile in West Yard
- soil sampling (to determine potential mercury impacts to underlying soil)
- material removal (including mercury-type regulators, scrap metal, and debris)
- air monitoring (to assess mercury levels in ambient air)

Site photographs and the ambient air monitoring log are presented in Appendices A and B, respectively. Waste manifests and shipping papers are provided in Appendix C.

### **2.2 Material Sorting and Removal**

Huff & Huff (James Huff, Lisa Paulson, Darren Greving and Jose Gonzalez) mobilized to the site on October 18, 2000, with the contractor, Heritage Environmental Service. DeKalb Iron & Metal provided a magnetic crane and operator. The U.S. EPA On-Scene Coordinator, Steve Faryan, was present along with the U.S. EPA contractor, Ecology & Environment. Sorting and removal of the Nicor Gas scrap began at 9:15 AM in the West Yard. Simultaneously, the regulator bins in the East Yard were hand sorted, with all spring-type regulators placed in a rolloff box. By 12:20 PM, all sorting activities were completed.

The following table summarizes the material removed from the site, the classification of each waste stream, and the destination to which it was sent.

Material	Quantity	Waste Type	Destination
Mercury-Type Regulators and Personal Protective Equipment (PPE)	6 Regulators (in 1 cu yd Box)	High-Level Hg Hazardous Waste	To Superior Special Services Via Heritage (Lemont)
Scrap Metal and Debris	3 Roll-Off Boxes	Non-Hazardous Waste	To Newton County Landfill

### **2.3 Scrap Pile Investigation**

Upon completion of Nicor Gas scrap removal from the large scrap pile in the West Yard, mercury vapor readings were taken around the perimeter of the scrap pile. This was accomplished by



laying plastic sheeting over sections of the pile and using a Jerome Mercury Vapor Analyzer (Jerome Meter) to read mercury levels. All of the readings were 0.000 mg/cu m.

After this mercury vapor screening was complete, a magnetic crane was used to sort through the scrap looking for evidence of Nicor Gas scrap (e.g., regulators or plastic wrapped piping). This investigation continued until the U.S. EPA On-site Contractor was satisfied that no other Nicor Gas scrap was present. No evidence of any additional Nicor Gas scrap was found during this investigation phase.

## 2.4 Soil Sampling

### 2.4.1 Screening and Sampling Locations

Soil beneath the identified scrap piles was evaluated after all scrap metal (West Yard) and regulator bins (East Yard) were removed. The evaluation included screening for mercury vapor with a Jerome Meter and laboratory analysis of mercury (total and TCLP).

The areas were divided into grids of 10 feet by 10 feet squares, as depicted on Figure 1-2. Soils at each grid point were screened with the Jerome Meter (closed-cup headspace method). All grid point readings were less than 0.010 mg/cu m mercury. Table 2-1 presents the Jerome Meter readings.

In addition, soil samples were collected for laboratory analysis. Two soil sample were collected from the West Yard and one sample was collected from the East Yard. (All Jerome Meter readings were 0.000 mg/cu m in the East Yard).

The selected soil samples were analyzed for mercury (total and TCLP) and pH at Test America Laboratories in Bartlett, Illinois. The total mercury results range from 0.2 mg/kg to 4.4 mg/kg. TCLP mercury results were all reported as less than 0.0002 mg/L. Copies of the laboratory analytical reports are provided in Appendix D.

### 2.4.2 Soil Sampling Results

Tables 2-2 through 2-4 present the soil sample results in comparison to the U.S. EPA-approved cleanup objectives. These objectives are the most conservative Illinois "Tier 1" cleanup objectives for residential properties. Each of the three Tier 1 exposure pathways is considered: soil component of groundwater ingestion, soil ingestion, and inhalation.

- Soil Component of Groundwater Ingestion (Class I)

The Tier 1 objective for the soil component of Class I groundwater ingestion pathway is 0.002 mg/L TCLP mercury. TCLP mercury was not detected in any sample; all results were less than 0.0002 mg/L (see Table 2-2).

- Soil Ingestion

The Tier 1 objective for the soil ingestion pathway is 23 mg/kg total mercury for residential exposure. All sample results achieve the objectives; the highest total mercury result is 4.4 mg/kg at C2 (see Table 2-3). (The ingestion objectives for industrial/commercial and construction worker exposure are 610 mg/kg and 61 mg/kg respectively. Both of these objectives were also achieved.).

- Inhalation

The Tier 1 objective for the inhalation pathway is 10 mg/kg total mercury for residential exposure. All sample results achieve the objectives; the highest total mercury result is 4.4 mg/kg at C2 (see Table 2-4). (The ingestion objectives for industrial/commercial and construction worker exposure are 540,000 mg/kg and 52,000 mg/kg respectively. Both of these objectives were also achieved.).

Based upon these confirmation sample results, all soils achieve the applicable Tier 1 cleanup objectives for residential properties. No further remedial efforts are required.

## 2.5 Air Monitoring

A Jerome Meter was used to measure ambient air levels in the West Yard work area during sorting activities. The mercury levels in the ambient air were measured at the four sides and the most active portion of the exclusion zone during work activities. All mercury vapor readings were 0.000 mg/cu m. Based upon these readings, all work was performed in Level D PPE. The Log Sheet of the air monitoring readings is included in Appendix B.

TABLE 2-1  
DEKALB IRON & METAL CO.  
JEROME METER READINGS <sup>a/</sup>

Location	Depth inches, bgs	Hg Reading mg/m <sup>3</sup>
<b>A1 East Yard</b>	<b>0-6</b>	<b>0.000</b> <sup>b/</sup>
A2 East Yard	0-6	0.000
B1 East Yard	0-6	0.000
B2 East Yard	0-6	0.000
C1 West Yard	0-6	0.003
<b>C2 West Yard</b>	<b>0-6</b>	<b>0.000</b> <sup>b/</sup>
<b>D1 West Yard</b>	<b>0-6</b>	<b>0.000</b> <sup>b/</sup>
D2 West Yard	0-6	0.000

a/ Samples placed in sealed baggies, half full, and the head space  
mercury vapor reading was taken after 15 minutes.

b/ Sample analyzed by laboratory.

C:\1DOC\Nico\Mercury\DeKalb\Jerome Readings.xls]Sheet1

**TABLE 2-2  
DEKALB IRON & METAL CO.**

**TIER 1 COMPARISON: SOIL COMPONENT of GROUNDWATER INGESTION**

<b>Location</b>	<b>Date</b>	<b>Depth, inches bgs</b>	<b>TCLP Hg, mg/L</b>
Tier 1 Objective			0.0020
A1 East Yard	10/18/00	0-6	<0.0002
C2 West Yard	10/18/00	0-6	<0.0002
D1 West Yard	10/18/00	0-6	<0.0002

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**TABLE 2-3  
DEKALB IRON & METAL CO.**

**TIER 1 COMPARISON: SOIL INGESTION**

<b>Location</b>	<b>Date</b>	<b>Depth, inches bgs</b>	<b>Total Hg, mg/kg</b>
<hr/>			
Tier 1 Objective Residential			23.0
<hr/>			
A1 East Yard	10/18/00	0-6	0.2
C2 West Yard	10/18/00	0-6	4.4
D1 West Yard	10/18/00	0-6	3.5

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**TABLE 2-4  
DEKALB IRON & METAL CO.**

**TIER 1 COMPARISON: INHALATION**

<b>Location</b>	<b>Date</b>	<b>Depth, inches bgs</b>	<b>Total Hg, mg/kg</b>
<hr/>			
Tier 1 Objective Residential			10.0
<hr/>			
A1 East Yard	10/18/00	0-6	0.2
C2 West Yard	10/18/00	0-6	4.4
D1 West Yard	10/18/00	0-6	3.5
<hr/>			

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### 3. COSTS

The Section 106(a) Order requires that Nicor Gas prepare a good faith estimate of the total costs incurred in complying with the Order. Nicor Gas estimates that approximately \$24,166 has been spent for closure of the DeKalb Scrap Yard.

The cost breakdown is as follows:

Engineering Oversight (including report preparation).....	\$ 9,170
Contractor (Heritage).....	\$ 9,217 <sup>a</sup>
Analytical.....	\$ 1,727
Waste Transportation and Disposal	
Hazardous Waste.....	\$ 650 <sup>b</sup>
Non-Hazardous Waste .....	\$ 3,402

<sup>a</sup> Costs through 12/31/01.

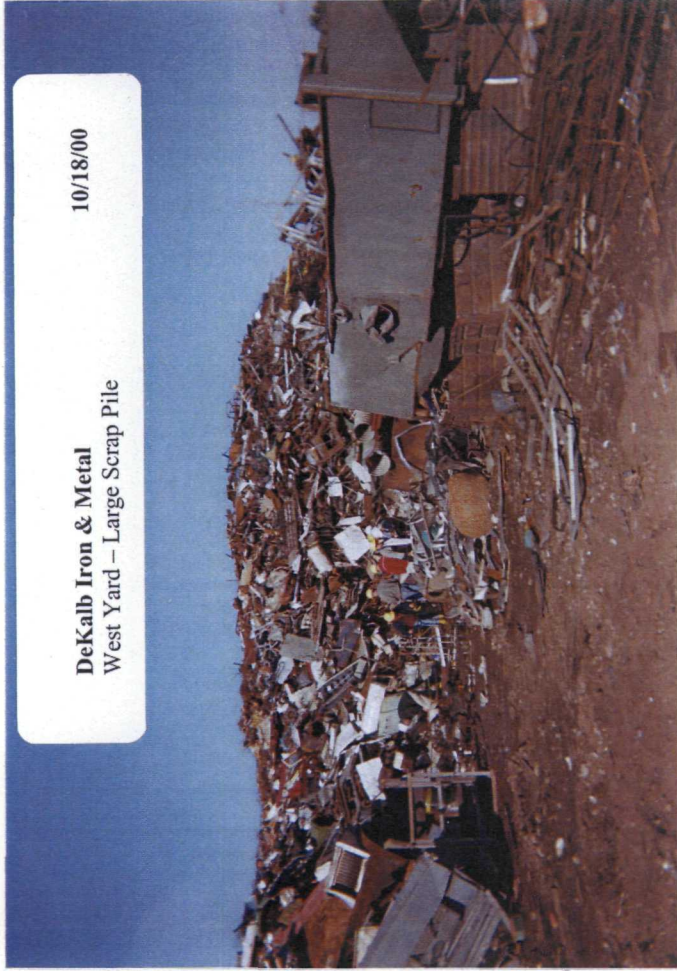
<sup>b</sup> Estimated value based upon 6 regulators @ \$25/regulator + \$500 pickup and handling.

## APPENDIX A



DeKalb Iron & Metal  
West Yard - Large Scrap Pile

10/18/00



DeKalb Iron & Metal  
West Yard - Large Scrap Pile

10/18/00



DeKalb Iron & Metal  
West Yard - Large Scrap Pile

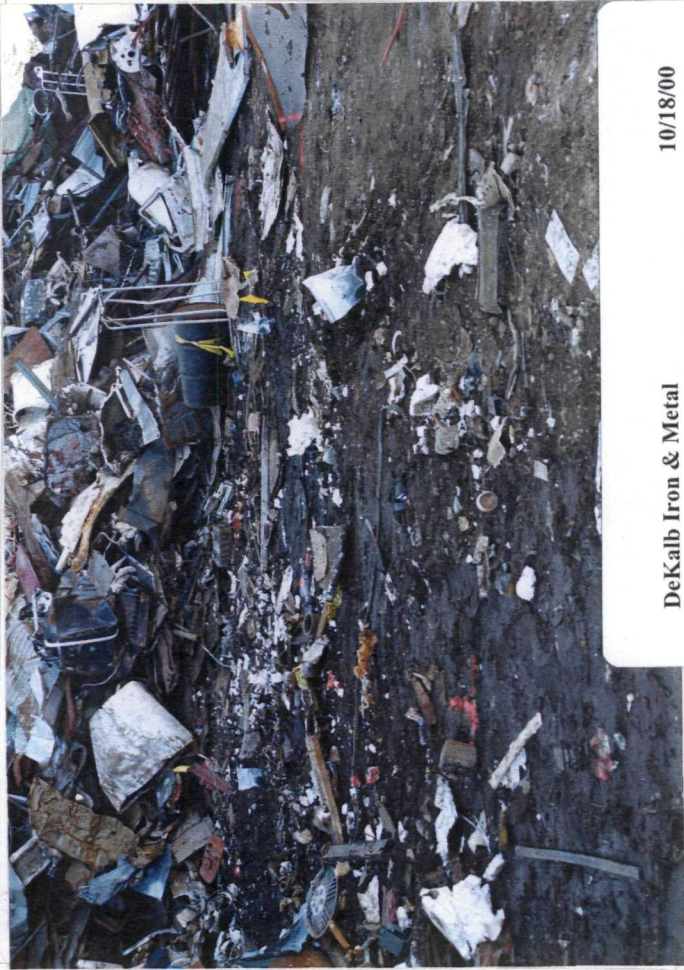
10/18/00



DeKalb Iron & Metal  
West Yard - Large Scrap Pile

10/18/00





**DeKalb Iron & Metal**  
West Yard – Area Cleared of Nicor Scrap

10/18/00



**DeKalb Iron & Metal**  
West Yard – Area Cleared of Nicor Scrap

10/18/00



**DeKalb Iron & Metal**  
West Yard – Sorting Area for Nicor Scrap (Only One Box for Hg-Regulators Used)

10/18/00



**DeKalb Iron & Metal**  
West Yard – Close-up of Scrap-Regulators Visible, Later Removed

10/18/00





**DeKalb Iron & Metal**  
West Yard – Large Scrap Pile looking SW

10/18/00



**DeKalb Iron & Metal**  
West Yard – Large Scrap Pile looking West

10/18/00



**DeKalb Iron & Metal**  
East Yard – Area Where Regulators Bins Stored

10/18/00



**DeKalb Iron & Metal**  
East Yard – Area Where Regulators Bins Stored

10/18/00

## APPENDIX B



## AMBIENT AIR SAMPLING FIELD LOG

# Defall Iron

10-18-00

LA

Time	Location	mg/m <sup>3</sup>	Remarks/Weather
8:35	work zone	0.000	Sunny ~ 50°
8:35	NW corner	0.000	set up
↓	SW	0.000	↓ wind from south
↓	NE	0.000	↓
↓	SE	0.000	↓
8:40	middle		
9:45	work zone	0.000	
9:46	NW	0.000	
↓	NE	0.000	
↓	SW	0.000	} wind from SW.
9:51	SE	0.000	
11:43	work zone	0.000	
11:44	NE	0.000	
↓	SE	0.000	} wind from west
11:45	SW	0.000	} Equipment in NW
12:15	work zone	0.000	

## APPENDIX C



OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS  
AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD982610438	Manifest Document No. 94392	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address <b>NICOR</b> 1844 FERRY ROAD NAPERVILLE, IL 60563		Location If Different 900 OAK STREET DEKALB, IL. 60115		A. Illinois Manifest Document Number <b>IL 9294392</b> FEE PAID IF APPLICABLE	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*		6. US EPA ID Number IN0058484114		B. Generator's IL ID Number 0370100010	
5. Transporter 1 Company Name HERITAGE TRANSPORT LLC - HR/E		8. US EPA ID Number		C. Transporter's ID Number IPW3144600	
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone (317) 381-6848	
9. Designated Facility Name and Site Address HERITAGE ENVIRONMENTAL SERVICES LLC 15330 CANAL BANK ROAD LEMONT, IL 60439		11. US EPA ID Number 11.D085349264		E. Transporter's ID Number	
				F. Transporter's Phone ( )	
				G. Facility's IL ID Number 031162000	
				H. Facility's Phone (630) 739-1151	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No. EPA HW Number
a. RO, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PGIII (HIGH MERCURY DEBRIS) ERG#171		0.0.1 C.F.	66#	Y	D009
b.					EPA HW Number
c.					EPA HW Number
d.					EPA HW Number
J. Additional Description for Materials Listed Above a.) 24563-11 SCRAPYARD WASTE FOR NICOR FACILITY: 14th and MARKET DEKALB, IL 60115		K. Handling Codes for Wastes Listed Above In Item #14			
15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY PHONE # 1-800-48-SPILL CONTACT: INFOTRAK					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name MIKE SPENCER AS AGENT FOR NICOR		Signature 		Date Month Day Year 11 09 01	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MIKE SPENCER		Signature 		Date Month Day Year 11 09 01	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year	
19. Discrepancy Indication Space Replaces Manifest IL9275271, IL9303109					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name		Signature		Date Month Day Year	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR



TRANSPORTATION SYSTEMS, INC.

21900 South Central Ave.  
Matteson, IL 60443  
(708) 720-6000

E 513826

Date 10-30 00

Delivery Date 10-30 00

Ship To:

Newton County Landfill  
Brook, Ga.

Shipper:

P.O. No. 14043

	WEIGHT(lb)	PRODUCT DESCRIPTION	C.O.D.	AMOUNT
LOAD	<u>(2) 25yd. Rain Rent Box #200277</u>		Price	
EMPTY	<u>✓</u>	<u>#200317</u>	Tax	
NET	<u>15,940</u>	<u>Scrap Metal</u>	Total	

SOURCE	ADDRESS	TICKET NO.
<u>Dekalb Scrap</u>	<u>Dekalb, IL</u>	

HOURLY		LOAD TIMES				
PORTAL TO PORTAL		1	2	3	4	5
TIME	LOCATION	Arrive	<u>0830</u>			
Start		Begin Load	<u>0845</u>			
		End Load	<u>0915</u>			
Finish		Depart	<u>0930</u>			
Total		Total	<u>1.0</u>			

MANIFEST NUMBER:  
0370100510

OTSI LINER? Y / N  
HOW MANY?

ROLL OFF BOX NUMBERS

DROPPED AT CUSTOMER  
Rain Rent #200277  
PICKED UP AT CUSTOMER  
200317

COMMENTS  
1 LD Boxes  
#200277 TO DEK  
200317  
To Newton Landfill

REQUESTED TIME REASON FOR DELAY

LOADER SIGNATURE  
(X) Susan Morate for Nick Gals

DRIVER SIGNATURE  
Rafael Rodriguez TRUCK # 728 OTSI TRAILER 9306

UNLOAD TIMES		1	2	3	4	5
Arrive						
Begin Unload						
End Unload						
Depart						
Total						

REQUESTED TIME REASON FOR DELAY

RECEIVER SIGNATURE

DRIVER SIGNATURE TRUCK # OTSI TRAILER

CUSTOMER COPY

# OZINGA

TRANSPORTATION SYSTEMS, INC.

21900 South Central Ave.  
Matteson, IL 60443  
(708) 720-6000

E 629083

Date 30 Oct 00 14044

Delivery Date \_\_\_\_\_

Ship To: Newton Co Development

Shipper: Heritage P.O. No. 14044

	WEIGHT(lb)	PRODUCT DESCRIPTION	C.O.D.	AMOUNT
LOAD		<u>Serup Milk</u>	Price	
EMPTY			Tax	
JET			Total	

SOURCE	ADDRESS	TICKET NO.
<u>DeKals Serup</u>	<u>DeKals</u>	

HOURLY			LOAD TIMES					
PORTAL TO PORTAL				1	2	3	4	5
	TIME	LOCATION	Arrive	0815				
Start			Begin Load					
Finish			End Load					
			Depart	0945				
Total			Total					

MANIFEST NUMBER:  
0370100010

OTSI LINER? Y / N  
HOW MANY? \_\_\_\_\_

ROLL OFF BOX NUMBERS

DROPPED AT CUSTOMER \_\_\_\_\_

PICKED UP AT CUSTOMER 200231

COMMENTS

REQUESTED TIME \_\_\_\_\_ REASON FOR DELAY \_\_\_\_\_

LOADER SIGNATURE Xenon Nantelle for Nicer Gas

DRIVER SIGNATURE [Signature] TRUCK # 9155 OTSI TRAILER 9305

UNLOAD TIMES								
	1	2	3	4	5			
Arrive								
Begin Unload								
End Unload								
Depart								
Total								

REQUESTED TIME \_\_\_\_\_ REASON FOR DELAY \_\_\_\_\_

RECEIVER SIGNATURE \_\_\_\_\_

DRIVER SIGNATURE \_\_\_\_\_ TRUCK # \_\_\_\_\_ OTSI TRAILER \_\_\_\_\_

CUSTOMER COPY

**Original—Non Negotiable**

Shipper No. 0370100010

Carrier No.

Date 10.30.00

DATE 30 Oct 68



ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM

Original—Not Negotiable

OZinga Transportation  
(Name of Carrier)

Shipper No. 0370100010

Carrier No.

Date 10-30-00

TO: Consignee	Newton Co. Development	FROM: Shipper	Nico DeKalb Rptg Center
Street	2240 E. 500 South Rd	Street	Market & 14th
Destination	Brook, IN	Origin	DeKalb, IL
Zip Code	47922	Zip Code	60115
Route:	Vehicle No. 72819306		

No. Shipping Units	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1	Roll-off Box Scrap Metal Non-Hazardous by DOT	15,940 # mat'l		
	Box # 200277 + # 200317			

REMIT C.O.D. TO: ADDRESS	COD Amt. \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL CHARGES: \$
--------------------------------	-------------	--	----------------------

Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid

☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of the shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	Nico Gas	CARRIER	OZinga
PER	Brian Monette (tr)	PER	[Signature]
		DATE	10-30-00



# DE KALB IRON & METAL CO.

900 OAK STREET — DE KALB, IL 60115  
815/758-2458

22717-4  
021NGA

LOAD OF	GRADE	TRUCK NO.
SCRAP		955/9305
FROM	CUST. NO.	CUST. REF.
DIMCO		
TO	CUST. NO.	CUST. REF.
NICOR		

(ENTRINER APPROX 6000# M/H. 20023)

09:38AM 300CT00 GROSS

49520 LB  
Gross

09:20AM 300CT00 TARE

39260 LB  
Net 10,260 lb.

CHECK NO.	PRICE	AMOUNT

DRIVER		WEIGHED BY
ON	OFF	Bill Kinkade



# DE KALB IRON & METAL CO.

900 OAK STREET — DE KALB, IL 60115  
815/758-2458

22718-4

OZINGA

LOAD OF	GRADE	TRUCK NO.
SUMP		728/9306

FROM	CUST. NO.	CUST. REF.
Dime		

TO	CUST. NO.	CUST. REF.
Nick		

CONTAINER 12,000

(1) 200377  
(2) 200317

10:25AM 300CT00 GROSS

65560

LB  
Fare

15,940 NET

09:23AM 300CT00 TARE

37620

LB  
Net

lb.

27,940

CHECK NO.	PRICE	AMOUNT

DRIVER		WEIGHED BY
ON	X	OFF
		Bu

## APPENDIX D

# TestAmerica

INCORPORATED

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Job Number: 00.11629

IEPA Cert. No.: 100221

WDNR Cert. No.: 999447130

Enclosed is the Analytical and Quality Control reports for the following samples submitted to Bartlett Division of TestAmerica for analysis.

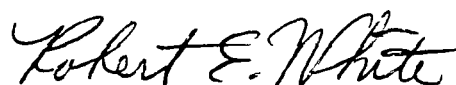
Project Description: Nicor; Dekalb Iron & Metal

Sample Number	Sample Description	Date Taken	Date Received
603081	A1 East Yard	10/18/2000	10/19/2000
603082	C2 West Yard	10/18/2000	10/19/2000
603083	D1 West Yard	10/18/2000	10/19/2000
603084	A1 East Yard - Dup	10/18/2000	10/19/2000
603085	Trip Blank	10/18/2000	10/19/2000
603086	Field Blank	10/18/2000	10/19/2000

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. These results apply only to the samples analyzed. Reproduction of this report only in whole is permitted. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Procedures used follow TestAmerica Standard Operating Procedures which reference the methods listed on your report. Should you have questions regarding procedures or results, please do not hesitate to call. TestAmerica has been pleased to provide these analytical services for you.

This Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Approved by:



Project Manager

Page 1 of 9



## ANALYTICAL REPORT

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Sample No. : 603081

Job No.: 00.11629

Sample Description: A1 East Yard  
Nicor; Dekalb Iron & Metal

Date Taken: 10/18/2000  
Time Taken: 12:35

Date Received: 10/19/2000  
Time Received: 14:55

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.21		units	0.10	10/23/2000	kmt	SW 9045B
Solids, Total	90.4		%	0.1	10/25/2000	kmt	SM 2540
TCLP Metals Extraction	Leached				10/23/2000	kkp	SW 1311
Mercury, CVAA	0.22		mg/kg dw	0.044	10/23/2000	efw2	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	10/24/2000	efw2	SW 7470A





## ANALYTICAL REPORT

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Sample No. : 603082

Job No.: 00.11629

Sample Description: C2 West Yard  
Nicor; Dekalb Iron & Metal

Date Taken: 10/18/2000  
Time Taken:

Date Received: 10/19/2000  
Time Received: 14:55

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	7.86		units	0.10	10/23/2000	kmt	SW 9045B
Solids, Total	78.7		%	0.1	10/25/2000	kmt	SM 2540
TCLP Metals Extraction	Leached				10/23/2000	kkp	SW 1311
Mercury, CVAA	4.4		mg/kg dw	0.051	10/23/2000	efw2	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	10/24/2000	efw2	SW 7470A



## ANALYTICAL REPORT

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Sample No. : 603083

Job No.: 00.11629

Sample Description: D1 West Yard  
Nicor; Dekalb Iron & Metal

Date Taken: 10/18/2000  
Time Taken: 15:40

Date Received: 10/19/2000  
Time Received: 14:55

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
pH, Non-Aqueous	8.09		units	0.10	10/23/2000	kmt	SW 9045B
Solids, Total	88.6		%	0.1	10/25/2000	kmt	SM 2540
TCLP Metals Extraction	Leached				10/23/2000	kkp	SW 1311
Mercury, CVAA	3.5		mg/kg dw	0.045	10/23/2000	efw2	SW 7471A
TCLP-Mercury, CVAA	<0.0002		mg/L	0.0002	10/24/2000	efw2	SW 7470A



## ANALYTICAL REPORT

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Sample No. : 603084

Job No.: 00.11629

Sample Description: A1 East Yard - Dup  
Nicor; Dekalb Iron & Metal

Date Taken: 10/18/2000  
Time Taken: 12:35

Date Received: 10/19/2000  
Time Received: 14:55

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Solids, Total	90.1		%	0.1	10/25/2000	kmt	SM 2540
Mercury, CVAA	<0.44	MX	mg/kg dw	0.044	10/23/2000	efw2	SW 7471A

MX : Dilution required due to sample matrix; analyte is not detected.



## ANALYTICAL REPORT

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Sample No. : 603085

Job No.: 00.11629

Sample Description: Trip Blank  
Nicor; Dekalb Iron & Metal

Date Taken: 10/18/2000  
Time Taken:

Date Received: 10/19/2000  
Time Received: 14:55

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Mercury, CVAA	<0.0002		mg/L	0.0002	10/24/2000	efw2	EPA 245.1



## ANALYTICAL REPORT

Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Sample No. : 603086

Job No.: 00.11629

Sample Description: Field Blank  
Nicor; Dekalb Iron & Metal

Date Taken: 10/18/2000  
Time Taken:

Date Received: 10/19/2000  
Time Received: 14:55

Parameter	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Analytical Method
Mercury, CVAA	<0.0002		mg/L	0.0002	10/24/2000	efw2	EPA 245.1



Ms. Lisa Paulson  
HUFF & HUFF INC.  
512 West Burlington  
Suite 100  
LaGrange, IL 60525

10/26/2000

Job Number: 00.11629

IEPA Cert. No.: 100221

WDNR Cert. No.: 999447130

Project Description: Nicor; Dekalb Iron & Metal

#### **CASE NARRATIVE**

No analytical exceptions were noted outside of routine method protocols.

# TestAmerica

INCORPORATED

## KEY TO ABBREVIATIONS and METHOD REFERENCES

<	: Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	: Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	: Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	: Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	: Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
TCLP	: These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
Surr:	: These initials are the abbreviation for surrogate. Surrogates are compounds that are chemically similar to the compounds of interest. They are part of the method quality control requirements.
%	: Percent; To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.
ICP	: Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	: Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	: Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	: Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

### Method References

- (1) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986.
- (2) ASTM "American Society for Testing Materials"
- (3) Methods 100 through 499: see "Methods for Chemical Analysis of Water and Wastes", USEPA, 600/4-79-020, Rev. 1983.
- (4) See "Standard Methods for the Examination of Water and Wastewater", 17th Ed, APHA, 1989.
- (5) Methods 600 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants", USEPA Federal Register Vol. 49 No. 209, October 1984.
- (6) Methods 500 through 599: see "Methods for the Determination of Organic Compounds in Drinking Water," USEPA 600/4-88/039, Rev. 1988.
- (7) See "Methods for the Determination of Metals in Environmental Samples", Supplement I EPA-600/R-94/111, May 1994.
- (8) See "Standard Methods for the Examination of Water and Wastewater", 18th Ed., APHA, 1992.
- (9) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986, Including Updates I and II.
- (10) This method is from the 2nd Edition of "Test Methods for Evaluating Solid Waste", USEPA SW-846. It has been dropped from the 3rd Edition, 1986.

# TestAmerica

INCORPORATED

Bartlett Division  
850 West Bartlett Road  
Bartlett, IL 60103  
Phone: 630-289-3100  
Fax: 630-289-5445

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring

Client Name: Huff & Huff Inc Client #: \_\_\_\_\_  
Address: 512 W. Burlington  
City/State/Zip Code: LaGrange IL 60525  
Project Manager: L Paulsen - J. Huff  
Telephone Number: 708-579-5946 Fax: 708-579-3526  
Sampler Name: (Print Name) James E. Huff  
Sampler Signature: [Signature]

Project Name: Niger  
Project #: Dekalb Iron + Metal  
Site/Location ID: Dekalb State: IL  
Report To: J Huff  
Invoice To: L Paulsen  
Quote #: \_\_\_\_\_ PO#: 16411

TAT Standard	Date Needed: <u>10-25-00</u>	Fax Results: <u>(Y) N</u>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix Preservation & # of Containers					Analyze For:	QC Deliverables	REMARKS	
							SL - Skudge DW - Drinking Water	GW - Groundwater S - Soil/Solid	WW - Wastewater	Specify Other	HNO <sub>3</sub>				HCl
AI Eastgard	10-17-00	1235													
G3 Westgard	10-18-00														
DI Westgard	10-18-00	341													
AI Eastgard dup	10-18-00	1235													
Trip blank	10-18-00														
Field blank	10-18-00														

## Special Instructions:

Relinquished By: <u>James E. Huff</u>	Date: <u>10-19-00</u>	Time: <u>1410</u>	Received By: <u>[Signature]</u>	Date: <u>10-19-00</u>	Time: <u>1410</u>
Relinquished By: <u>[Signature]</u>	Date: <u>10-19-00</u>	Time: <u>1455</u>	Received By: <u>[Signature]</u>	Date: <u>10-19-00</u>	Time: <u>1455</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____

## LABORATORY COMMENTS:

Init Lab Temp: 11.2 Rec Lab Temp: 11.2  
Custody Seals: Y N  
Bottles Supplied by TestAmerica: Y N  
Method of Shipment: \_\_\_\_\_